

~~CONFIDENTIAL~~3rd October, 1960COCOM Document 4159 BCOORDINATING COMMITTEE

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RECORD OF DISCUSSIONONPROPOSED FRENCH EXPORT OF TELEPHONE CABLE TO THE U.S.S.R.26th and 29th September, 1960

Present: Belgium (Luxembourg), Canada, Denmark, France, Germany, Italy, Japan, Netherlands, Turkey, United Kingdom, United States.

Reference: COCOM Document 4148.

1. The FRENCH Delegate drew the Committee's attention to the Memorandum submitted by his Delegation on the 21st September regarding a proposed export of telephone cable to the U.S.S.R. (COCOM 4148). He pointed out that this case was similar to that submitted by the Italian Delegation in COCOM 3951 and approved by the Committee as recorded in COCOM 3996. He stated that the United States Delegation had asked him a number of questions to which he hoped to be able to reply shortly. The Delegate expressed the hope that Member Governments would be able to make known their views on this matter at an early date.

2. The CHAIRMAN drew the attention of Delegations to the multilateral nature of the Committee. Despite the direct interest of two or more Delegations in a given matter, the members of the Committee should endeavour to create a unanimous will rather than leave it to dialogues between individuals to solve differences which might arise. It was understood that Delegations might exchange documents among themselves in order to gain time, but the Chairman would like a copy of such documents to be communicated to him.

3. The UNITED STATES Delegate stated that he had put to the French Delegation direct the following questions:

- (a) Who is the importer?
- (b) Where specifically is the line to be installed? Will it be laid next to a railway?
- (c) How many channels does the cable contain? Are these one way or simultaneous?
- (d) Are the quads star type or not? How many conductors and what are their dimensions?
- (e) Are adjacent quads given the same twist or a different twist?
- (f) How is the cable insulated?
- (g) What does the dimension (12/10, 9/10) given in COCOM 4148 refer to?

The Delegate added that these questions had been put to the French Delegation immediately upon receipt of the Memorandum in order to speed up the study of this case by officials in Washington; the United States Delegation would be ready to give their views 15 days after receipt of the answers which the French Delegation might be able to supply.

4. The GERMAN Delegate stated that he had put direct to his French colleague a query as to where the cables involved would be installed.

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5. The FRENCH Delegate stated that it might be difficult to give an exact and detailed answer to the question put by the German Delegate. He hoped nevertheless to be able to reply to this question as well as had the Italian Delegation in COCOM 3952.
6. The ITALIAN Delegate confirmed that it was indeed difficult in cases of this kind to specify exactly the localities between which the cables to be exported were to be installed.
7. The COMMITTEE agreed that Member Governments' views on this request would be heard on the 17th October.
8. On the 29th September the FRENCH Delegate replied to the questions put by the United States and German Delegates (paragraphs 3 and 4 above):
- (i) The telephone cable had been ordered by RAZNOIMPORT (U.S.S.R. purchasing organisation for electric cable).
 - (ii) The cables were intended to take care of short-distance telephone links within the confines of the City of Moscow. The absence of an anti-induction screen led to the conclusion that it was not intended to lay the cable alongside electrified railway lines.
 - (iii) The cable was made up of star quads for voice frequency, each quad providing two physical circuits and possibly one phantom circuit, i.e. a maximum of 3 simultaneous communications per quad. The technical characteristics, and in particular the capacitive imbalance tolerances and the absence of requirements as regards inductive imbalance, made such cable unsuitable for long-distance telephone communications.
 - (iv) The enquiry dealt with cables having:

7	conductor quads of a diameter of 9/10 mm.
7	" " " " " " " 12/10 "
12	" " " " " " " 12/10 "
19	" " " " " " " 12/10 "
24	" " " " " " " 12/10 "
27	" " " " " " " 12/10 "
37	" " " " " " " 12/10 "

Some of the cable was sheathed in a protective armouring made from steel strip.
 - (v) The adjacent quads would have different twists and to respect the capacitance imbalance it was sufficient to provide as a maximum 5 twists differing from one another. Cables manufactured in accordance with this technique could not be used for carrier frequency.
 - (vi) The conductors were insulated with dry paper.
 - (vii) As specified in paragraph (iv) the unit conductors were made up of copper wires having a diameter of 9 and 12/10 mm.
9. The UNITED STATES Delegate thanked his French colleague for these speedy answers, which he would not fail to pass on to his authorities immediately upon receipt of the English translation.
10. The GERMAN Delegate also thanked his French colleague for the reply he had just given him.

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